

P-2714-88

CLAIMS

1. A method for homogenizing the exposure of different beams in a multi-beam plotter, comprising the steps of:

creating digital data, wherein each row comprises data to be exposed by

one of said beams; and

using said plotter to expose said digital data on a substrate,

wherein, following each exposure cycle by all of said beams moving in a first direction relative to said substrate, said beams move in a second direction, generally perpendicular to said first direction, relative to said substrate,

and wherein the distance traversed by said beams in said second direction is smaller than the sum of widths covered by all of said beams.

2. A method according to claim 1, wherein said step of creating comprises creating digital data wherein each column comprises a number of consecutive data elements, said number being equal to the number of said beams.

3. A method according to claim 1, wherein said distance traversed by said beams in said second direction is equal to the width of one column covered by each one of said beams.

4. The method according to claim 1, wherein said plotter is an imagesetter.

5. The method of claim 1, wherein said plotter is a platesetter.

